

IN THE CLAIMS:

Kindly cancel claims 1-4, 7, 10, 13 and 17-19, and add new claims 20-28, as follows:

1. Cancelled
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17. (New) A device structure for iontophoresis comprising an electrically conductive layer containing at least one of partially ionized active ingredients and a water swelling polymer having a polarity selected considering the dissolution of the active ingredient for controlling pH variation, and an electrode for supplying electric current to the electrically conductive layer.

18. (New) A device structure for iontophoresis according to claim 1, wherein the active ingredient is a cationic material and the water swelling polymer is a weakly basic water swelling polymer.

19. (New) The device structure for iontophoresis according to claim 2, wherein the water swelling polymer comprises a polyamine of primary, secondary or tertiary amines.

20. (New) The device structure for iontophoresis according to claim 2, wherein the water swelling polymer is a basic methacrylate copolymer.

21. (New) The device structure for iontophoresis according to claim 2, wherein the water swelling polymer is aminoalkyl methacrylate copolymer E.

22. (New) a device structure for iontophoresis according to claim 1, wherein the active ingredient is an anionic material and the water swelling polymer is a weakly acidic water swelling polymer.

23. (New) The device structure for iontophoresis according to claim 6, wherein the water swelling polymer comprises a carboxylic acid.

24. (New) The device structure for iontophoresis according to claim 6, wherein the water swelling polymer is an acidic methacrylate copolymer.

25. (New) The device structure for iontophoresis according to claim 6, wherein the water swelling polymer is at least one of methacrylic acid copolymer L and methacrylic copolymer S.